

Biographical Information: Matthias Ihme

Educational Background

- 2008: Ph.D., Mechanical Engineering, Stanford University, Stanford, CA
- 2002: M.Sc., Computational Engineering, Friedrich-Alexander University, Erlangen, Germany
- 2000: Dipl.-Ing. (FH), Mechanical Engineering, Munich University of Applied Sciences, Germany



Professional and Research Experience

- Since 08/2018 Associate Professor, Mechanical Engineering Department, Stanford University, Stanford, CA
- 02/2013 – 07/2017 Assistant Professor, Mechanical Engineering Department, Stanford University, Stanford, CA
- 02/2013 – 08/2016 Adjunct Professor, Aerospace Engineering Department, University of Michigan, Ann Arbor, MI
- 01/2008 – 01/2013 Assistant Professor, Aerospace Engineering Department, University of Michigan, Ann Arbor, MI
- 07/2011 Visiting Research Professor, Naval Research Laboratory, Washington D.C.
- 06/2009 Visiting Research Professor, Naval Research Laboratory, Washington D.C.
- 12/2007 Visiting Professor, Aerospace Engineering Department, University of Michigan, Ann Arbor, MI

Honors and Awards

- W. M. Keck Foundation Faculty Scholar, 2017-2021
- Mercator Fellow, 2017-2020
- Bernard Lewis Visiting Lecturer Fellowship, 2017
- Hiroshi Tsuji Early Career Researcher Award, 2017
- Distinguished Paper on Turbulent Flames, 36th International Symposium on Combustion, 2016
- Terman Faculty Fellow Award, 2013 – 2015
- NASA Early Career Faculty Award, 2015
- AFOSR Young Investigator Award, 2010
- ONR Young Investigator Award, 2010
- NSF Career Award, 2009
- Rackham Faculty Research Grant, 2009
- Academic Excellence Award, Munich University of Applied Sciences, 2000
- BMW Scholarship, 1995 – 2002

Research Interests

- Combustion noise and aeroacoustics/computational modeling of reacting flows
- Development of numerical methods, high-order schemes, and combustion modeling
- Large-eddy simulations
- Multiphase flows, combustion and turbulence

Further Information: <http://ihmegroup.stanford.edu>